

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor : Kenichi KAWARAI, et al.

Serial No : 09/942,980

Filed : August 30, 2001

Title : PACKET SWITCH

Filed by, Express Mail
(Receipt No. 8334-9290-5171)
on Jul 23 2003
pursuant to 37 C.F.R. (T.O.)
by Patricia M. L.
Patricia M. L.

July 23, 2002

Commissioner of Patents
Box DAC
Washington, D.C. 20231

PETITION UNDER 37 C.F.R. § 1.10(c)

SIR:

Applicants filed a Request for Corrected Filing Receipt in the above-referenced application on June 7, 2002, which is attached for reference. Because the requested correction relates to a date of filing governed by an Express Mail procedure, Applicants' should have filed a petition in accordance with 37 C.F.R. § 1.10(c). The present petition is made accordingly.

Upon information and belief, Applicants deposited the above-referenced application with the USPS on August 30, 2001 and received a copy of Express Mail Receipt EL639693967US with a "date in" of August 30, 2001. Upon information and belief, a copy of this receipt was subsequently misplaced or lost by Applicants.

The USPS delivery record attached to the attached request of June 7, 2002 clearly shows that the Express Mail package EL639693967US was received in the United States Patent and Trademark Office on August 31, 2001 at 6:50 A.M. Applicants subsequently received a return post card for the above-referenced application indicating that it had been received in the USPTO on August 31, 2001. Upon information and belief, a true

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copy of this post card is attached to this petition. This post card indicates that the application was mailed on August 30, 2001 in Express Mail package EL639693967US. Further, upon information and belief, the Request of June 7, 2002 includes a true copy of the first page of the above-referenced application that includes a stamp also indicating that the application was filed in Express Mail package EL639693967US.

In order for the application to have been received via Express Mail package EL639693967US at the USPTO on August 31, 2001 at 6:50 A.M., it clearly must have been deposited with the USPS no later than August 30, 2001. Accordingly, Applicants respectfully submit that the above-referenced application is therefore entitled to a filing date of August 30, 2001 based on the Express Mail deposit date rather than the actual date of receipt by the USPTO. Applicants petition the Commissioner to accord the application a corrected filing date of August 30, 2001, and to provide Applicants with a corrected filing receipt reflecting this application date.

Any fee, due as a result of this paper may be charged on Deposit Account No. 50-1290.

Respectfully submitted,



Thomas J. Bean
Reg. No. 44,528

Katten Muchin Zavis Rosenman
575 Madison Avenue
New York, NY 10022-2585
(212) 940-8800
Docket No: FUJG 18.948

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor : **Kenichi KAWARA, et al.**

Serial No : **09/942,980**

Filed : **August 30, 2001**

Title : **PACKET SWITCH**

June 7, 2002

Attn: Customer Corrections Division
Assistant Commissioner for Patents
Washington, D.C. 20231

REQUEST FOR CORRECTED FILING RECEIPT

SIR:

We received the **Filing Receipt** on the above-referenced case, copy enclosed, wherein the PTO incorrectly listed the **FILING DATE** as **AUGUST 31, 2001**. Please change the same to read: **AUGUST 30, 2001**. As we cannot locate the original Express Mail Receipt (EL639693967US), we enclose herewith a delivery record from the United States Postal Service, showing that the application was received in the United States Patent and Trademark Office on August 31, 2001 at 6:50 A.M. The only way the application could be received at the USPTO on August 31, 2001 at 6:50 A.M. is if it was deposited with the USPS on August 30, 2001. Thus, August 30, 2001 is the proper filing date.

We also enclose a copy of the transmittal sheet and the first page of the specification, showing the Express Mail Item Number.

Any fee, due as a result of this paper may be charged on Deposit Account No. 50-1290.

Respectfully submitted,



Thomas J. Bean
Reg. No. 44,528

Katten Muchin Zavis Rosenman
575 Madison Avenue 15th Floor
New York, New York 10022-2585
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Docket No.: FUJG 18.948



UNITED STATES PATENT AND TRADEMARK OFFICE

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DEC 11
COMMISSIONER FOR PATENTS
UNITED STATES PATENT AND TRADEMARK OFFICE
WASHINGTON, D.C. 20231-3728
www.uspto.gov

APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	DRAWINGS	TOT CLAIMS	IND CLAIMS
09/942,980	08/31/2001 08/30/2001	2123	870	100794- 11771(FUJG 18.948)	29	10	1

CONFIRMATION NO. 7689

026304
ROSENMAN & COLIN LLP
575 MADISON AVENUE
NEW YORK, NY 10022-2585

UPDATED FILING RECEIPT



OC000000007151105

Date Mailed: 12/04/2001

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

Kenichi Kawarai, Kawasaki, JAPAN;
Hiroshi Tomonaga, Kawasaki, JAPAN;
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Masakatsu Nagata, Kawasaki, JAPAN;
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Tetsuaki Wakabayashi, Kawasaki, JAPAN;

Domestic Priority data as claimed by applicant

Foreign Applications

JAPAN 2001-000647 01/05/2001

If Required, Foreign Filing License Granted 10/03/2001

Projected Publication Date: 07/11/2002

Non-Publication Request: No

Early Publication Request: No

Title

Packet switch

Preliminary Class

703

**LICENSE FOR FOREIGN FILING UNDER
Title 35, United States Code, Section 184
Title 37, Code of Federal Regulations, 5.11 & 5.15**

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The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

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NOT GRANTED

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UNITED STATES
POSTAL SERVICE

Date: 05/29/2002

Fax Transmission To: BRENDY BELOMY
Fax Number: 212-940-8986

Dear BRENDY BELOMY:

The following is in response to your 05/29/2002 request for delivery information on your Express Mail item number EL639693967US. The delivery record shows that this item was delivered on 08/31/2001 at 06:50 AM in WASHINGTON, DC 20231 to M BOSTON. The scanned image of the recipient information is provided below.

Signature of Recipient:

Delivery Section

Mary Boston
Mary Boston

Address of Recipient:

PATENTS 20231

Thank you for selecting the Postal Service for your mailing needs. If you require additional assistance, please contact your local Post Office or postal representative.

Sincerely,

United States Postal Service

Title of the Invention

PACKET SWITCH

BACKGROUND OF THE INVENTION

The present invention relates to a packet switch for allotting a packet input through an input line to an output line.

Recently, with the fast spread of Internet in the world, the amount of communications traffic of lines has remarkably increased, and a high and large capacity packet switch has been earnestly demanded. Normally, the configurations of buffers realizing packet switches can be roughly grouped into output buffers, shared buffers, cross point buffers, and input buffers. From a viewpoint of throughput, packet switches using output buffers and shared buffers have conventionally been used for general purpose. However, a line speed has become higher and higher with number lines increased, and a packet switch using an input buffer having a relatively low memory access speed has been re-evaluated. For example, a memory access speed of the packet switch using the output buffer is $N + 1$ (N indicates the number of lines) times as fast as the line speed. The memory access speed of the packet switch using a shared buffer is $2N$ times as fast as the line speed. On the other hand, the memory access speed of the packet switch using the input buffer is 2 times as fast as the line speed, that is, lower than the speeds of the packet switches using the output buffers, the shared buffers, etc.

Although it is known that, in the packet switch using the input buffer, the throughput is normally reduced down to 58.6% by the HOL (Head of Line) blocking, it is also known that 100% throughput can be attained by logically separating the FIFO in the input buffer for each output buffer.

Docket No.: FUJG 18.948

Mailed: August 30, 2001

For: PACKET SWITCH

Enclosures:

- Transmittal Sheet (in duplicate) 1-44pgs of spec.
- Fee Transmittal Sheet (in duplicate)
- 29Sheets of Drawings (1-6,7A-D,8-13,14A-D,15-29)
- Sub-Power of Attorney
- Original Signed Decl.
- Declaration (UNEXECUTED)
- Preliminary Amendment
- Form PTO-1619A&B Assignment
- Cert. Copies of Japanese Appln. No. (s) 2001-000647
- Small Entity Statement
- Check for \$
- Info. Disc. Statement, PTO-1449, Copy(ies) of
- Other

Filed Via Express Mail No. EL639693967US

Stamp of USPTO

